AMENDMENTS TO THE CLAIMS

Please amend the claims as set forth below:

Claims 1-27 (Canceled)

28. (Previously presented) A method comprising:

providing an operating voltage to a processor configured to process wireless communication signals;

sensing a level of power supplied to the processor in order to determine a current mode of operation; and

modifying the operating voltage provided to the processor based on the mode of operation of the processor.

29.-31. Canceled

32. (Previously presented) A method in accordance with claim 28, wherein the operating voltage is modified by reducing the operating voltage when the current mode of operation is determined to be a sleep mode.

33. (Previously presented) A method in accordance with claim 28, wherein the operating voltage is modified by increasing the operating voltage when the current mode of operation is determined to be an active mode.

34.-35. Canceled

36. (Previously presented) An apparatus comprising:

a power management controller to provide an operating voltage to a processor configured to process wireless communication signals, wherein the power management controller is configured to sense a level of power supplied to the processor

in order to determine a current mode of operation and to modify the operating voltage based on the mode of operation of the processor.

37.-39. Canceled

40. (Previously presented) An apparatus in accordance with claim 36, wherein the power management controller is able to modify the operating voltage by reducing the operating voltage when the current mode of operation is a sleep mode.

41. (Previously presented) An apparatus in accordance with claim 36, wherein the power management controller is able to modify the operating voltage by increasing the operating voltage when the current mode of operation is an active mode.

42.-43. Canceled

44. (Previously presented) An article of manufacture comprising:

a storage medium; and

a set of instructions stored in the storage medium, which when executed by a power management controller cause the power management controller to perform operations comprising:

providing an operating voltage to a processor configured to process wireless communication signals;

sensing a level of power supplied to the processor in order to determine a mode of operation; and

modifying the operating voltage provided to the processor based on the mode of operation of the processor.

45.-47. Canceled

48. (Previously presented) An article of manufacture in accordance with claim 44, wherein the operating voltage is modified by reducing the operating voltage when the current mode of operation is determined to be a sleep mode.

49. (Previously presented) An article of manufacture in accordance with claim 44, wherein the operating voltage is modified by increasing the operating voltage when the current mode of operation is determined to be an active mode.

50.-51. Canceled

52. (Previously presented) A method comprising:

providing an operating voltage to a processor configured to process wireless communication signals;

receiving a signal indicating an anticipated mode of operation of the processor; and

modifying the operating voltage provided to the processor based on the signal.

53. (Previously presented) A method in accordance with claim 52, wherein the operating voltage is modified by reducing the operating voltage in response to the signal when the anticipated mode of operation is a sleep mode.

54. (Previously presented) A method in accordance with claim 52, wherein the operating voltage is modified by increasing the operating voltage when the anticipated mode of operation is an active mode.

55. (Previously presented) An apparatus comprising:

a power management controller to provide an operating voltage to a processor configured to process wireless communication signals, wherein the power

management controller is adapted to receive a signal indicating an anticipated mode of operation of the processor and to modify the operating voltage based on the signal.

56. (Previously presented) An apparatus in accordance with claim 55, wherein the power management controller is able to modify the operating voltage by reducing the operating voltage in response to the signal when the anticipated mode of operation is a sleep mode.

57. (Previously presented) An apparatus in accordance with claim 55, wherein the power management controller is able to modify the operating voltage by increasing the operating voltage in response to the signal when the anticipated mode of operation is an active mode.

58. (Previously presented) An article of manufacture comprising:

a storage medium; and

a set of instructions stored in the storage medium, which when executed by a power management controller cause the power management controller to perform operations comprising:

providing an operating voltage to a processor configured to process wireless communication signals;

receiving a signal indicating an anticipated mode of operation of the processor; and

modifying the operating voltage provided to the processor based on the signal.

59. (Previously presented) An article of manufacture in accordance with claim 58, wherein the operating voltage is modified by reducing the operating voltage in response to the signal when the anticipated mode of operation is a sleep mode.

60. (Previously presented) An article of manufacture in accordance with claim 58, wherein the operating voltage is modified by increasing the operating voltage when the anticipated mode of operation is an active mode.